

## ALK3 Antibody (F47722)

Catalog No.	Formulation	Size
F47722-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47722-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

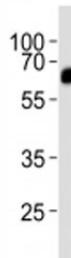
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P36894
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This ALK3 antibody is available for research use only.

150  
100  
75  
50  
37  
25  
20  
15

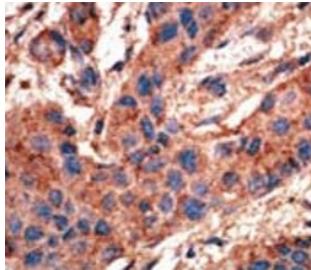
Western blot analysis of ALK3 antibody and human Saos-2 cell lysate. Predicted molecular weight ~60 kDa.

100  
70  
55  
35  
25

Western blot analysis of lysate from mouse kidney tissue using ALK3 antibody diluted at 1:1000.



Western blot analysis of lysate from rat uterus tissue lysate using ALK3 antibody diluted at 1:1000.



IHC analysis of FFPE human breast carcinoma tissue stained with the ALK3 antibody

## Description

The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A/ALK3 and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding.

## Application Notes

Titration of the ALK3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 30-60 from the human protein was used as the immunogen for this ALK3 antibody.

## Storage

Aliquot the ALK3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.